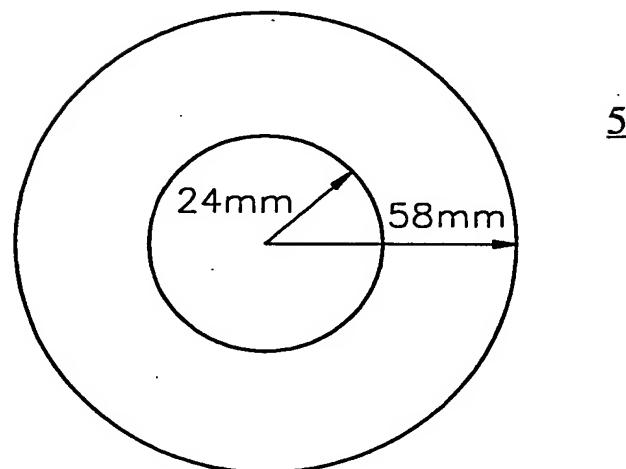


TITLE: SCRAMBLER & SCRAMBLING
METHOD
INVENTORS: Jae-seong SHIM
SERIAL NO.:
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PRIOR ART

FIG. 1



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PRIOR ART

FIG. 3

ID(7:4)	VALUE	ID(7:4)	VALUE
0h	0001h	8h	0010h
1h	5500h	9h	5000h
2h	0002h	Ah	0020h
3h	2A00h	Bh	2001h
4h	0004h	Ch	0040h
5h	5400h	Dh	4002h
6h	0008h	Eh	0080h
7h	2800h	Fh	0005h

FIG. 2 PRIOR ART

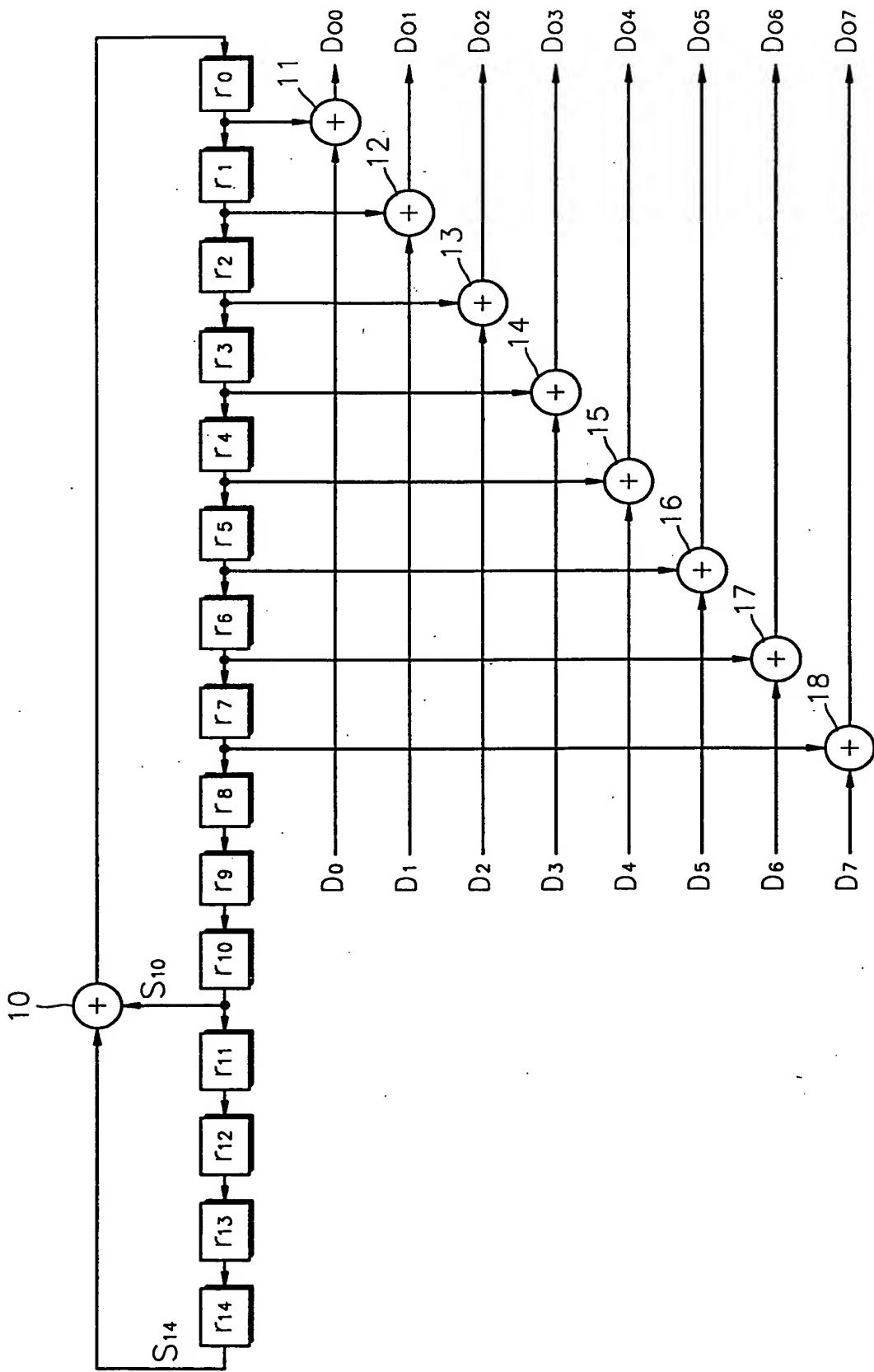
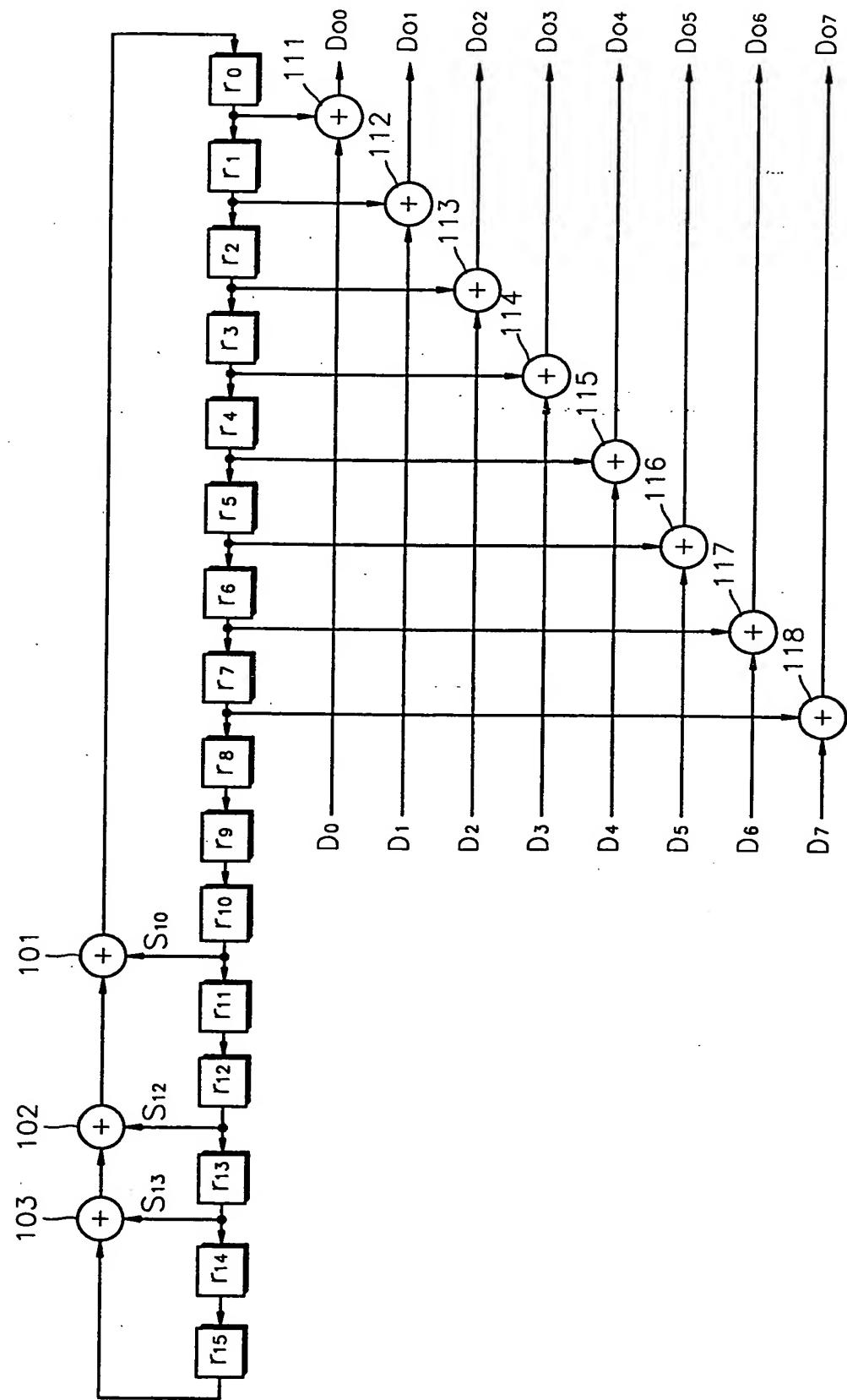


FIG. 4



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FIG. 5

ID(7:4)	VALUE	ID(7:4)	VLAUE
00h	0001h	08h	0010h
01h	7F80h	09h	F808h
02h	0002h	0Ah	0020h
03h	FF01h	0Bh	F011h
04h	0004H	0Ch	0040h
05h	FE02h	0Dh	E023h
06h	0008h	0Eh	0080h
07h	FC04h	0Fh	C046h

FIG. 6

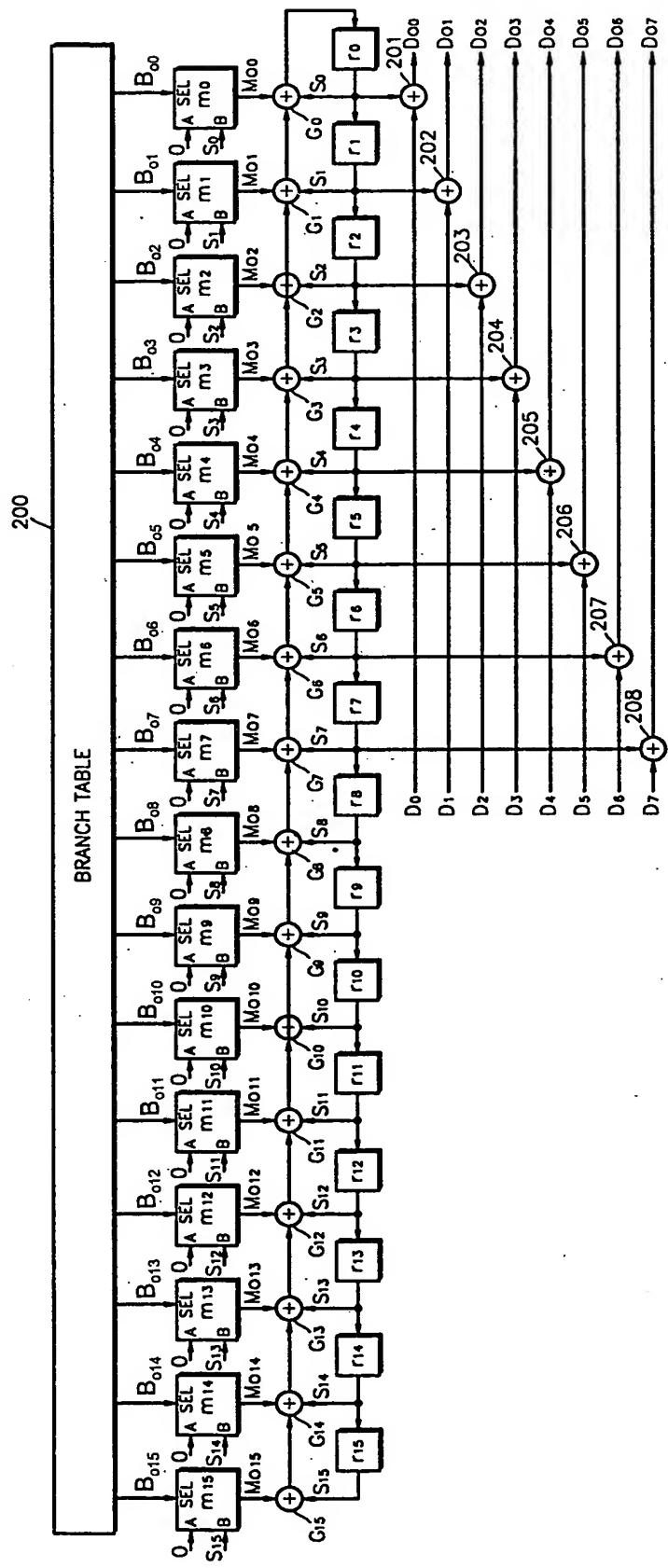


FIG. 7

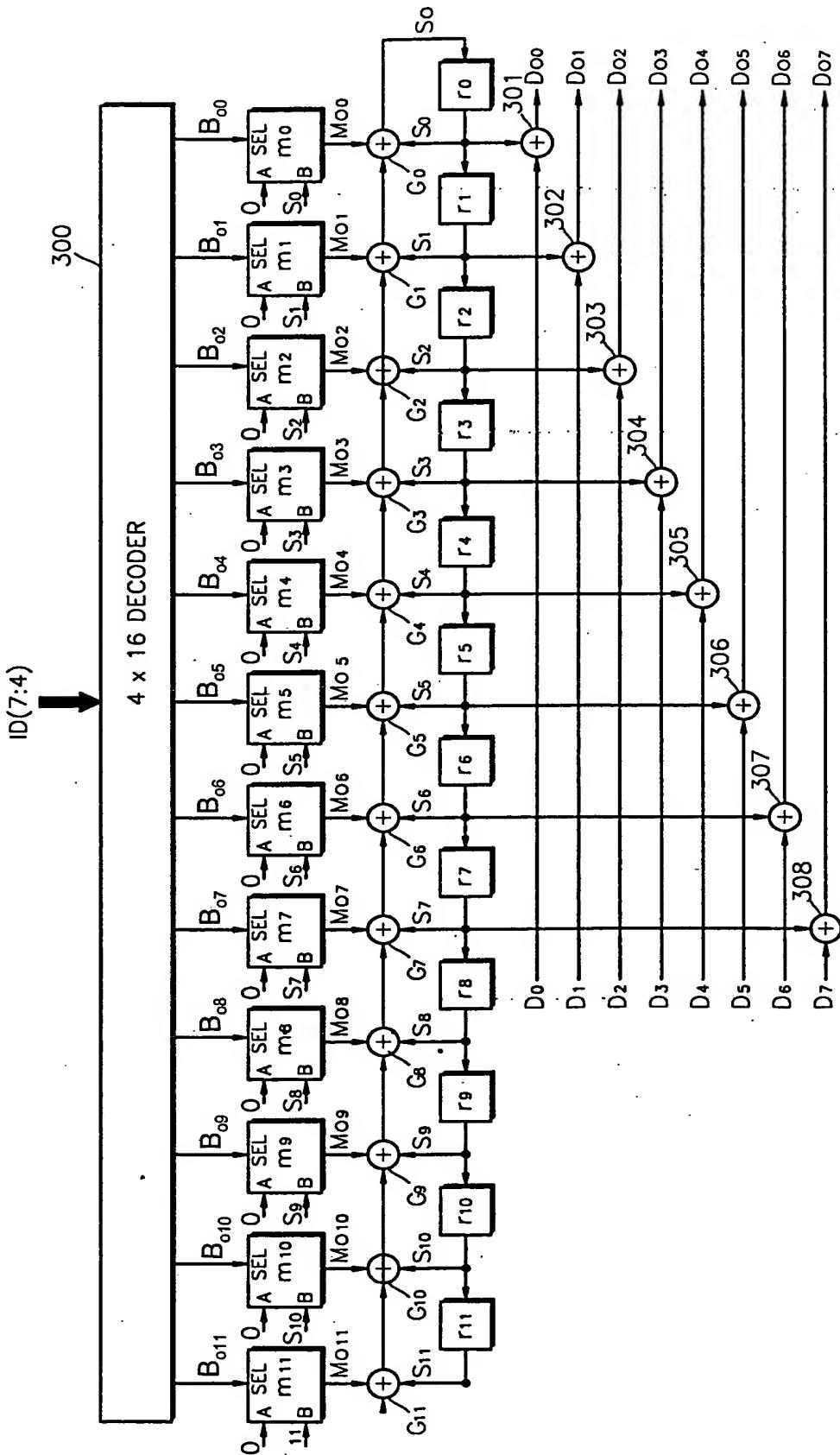
NO	Branch VALUE (D ₀₁₅ ~ D ₀₀)	NO	Branch VALUE (D ₀₁₅ ~ D ₀₀)
1	8016h	27	8940h
2	801Ch	28	8A04h
3	8029h	29	9028h
4	80D0h	30	9082h
5	810Ah	31	9120h
6	810Ch	32	9420h
7	8112h	33	9840h
8	8142h	34	9C00h
9	8148h	35	A084h
10	8150h	36	A101h
11	8214H	37	A108h
12	8241H	38	A140h
13	8244H	39	A440h
14	8248H	40	A801h
15	8260H	41	A840h
16	8320H	42	B010h
17	8406H	43	B400h
18	8430H	44	C009h
19	8540H	45	C00Ah
20	8580H	46	C042h
21	8610H	47	C108h
22	8805H	48	C120h
23	8821H	49	C208h
24	8841H	50	C801h
25	8842H	51	CA00h
26	8920H	52	DOO8h

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METHOD
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FIG. 8

ID(7:4)	VALUE	ID(7:4)	VALUE
00h	0001h	08h	7F80h
01h	3DADh	09h	D36Eh
02h	D4E7h	0Ah	BB39h
03h	FDCAh	0Bh	5DFFh
04h	EBCCh	0Ch	A809H
05h	292Eh	0Dh	6647h
06h	50F0h	0Eh	8044h
07h	BFCAh	0Fh	0304h

FIG. 9



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METHOD
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FIG. 10

ID(7:4)	VALUE	ID(7:4)	VALUE
00h	829h	08h	906h
01h	834h	09h	960h
02h	84Ch	0Ah	990h
03h	868h	0Bh	A03h
04h	883h	0Ch	A18h
05h	891h	0Dh	B04h
06h	8B0h	0Eh	C48h
07h	8C2h	0Fh	CA0h